

I CLAIM:

1           1.     A vented hollow plastic block for use in a wall section or panel, said plastic block  
2 comprising in combination;

3               a) a pair of members, each of said members including a continuous side wall, said  
4 side wall of one of said members including a lip and said side wall of the other of said members  
5 including a shelf for receiving and mating with said lip and forming a junction;

6               b) a sheet of material adapted for partly reflecting solar radiation, said sheet of  
7 material being located interior of and extending across said plastic block; and

8               c) a vent extending through one of said side walls.

1           2.     The vented hollow plastic block as set forth in Claim 1 wherein the said vent has  
2 an area equivalent to a circle having a diameter in the range of about 0.005 inches to about 0.25  
3 inches.

1           3.     The vented hollow plastic block as set forth in Claim 2 wherein said vent has an  
2 area equivalent to a circle having a diameter in the range of about 0.012 inches to about 0.015  
3 inches.

1           4.     The vented hollow plastic block as set forth in Claim 1 wherein each of said  
2 members is of translucent plastic material.

1               5.     The vented hollow plastic block as set forth in Claim 1 wherein each of said  
2     members is of transparent plastic material.

1               6.     The vented hollow plastic block as set forth in Claim 1 wherein said sheet of  
2     material defines two compartments within said plastic block.

1               7.     The vented hollow plastic block as set forth in Claim 6 wherein said sheet of  
2     material includes a slot adapted to provide fluid communication between said two compartments.

1               8.     The vented hollow plastic block as set forth in Claim 7 wherein said slot is  
2     essentially coincident with said vent.

1               9.     The vented hollow plastic block as set forth in Claim 1 wherein said sheet of  
2     material is disposed at said junction.

1               10.    The vented hollow plastic block as set forth in Claim 9 wherein the peripheral  
2     edge of said sheet of material is coincident with said shelf and retained thereagainst by said lip.

1               11.    The vented hollow plastic block as set forth in Claim 10 including an adhesive for  
2     securing said sheet of material in place.

1               12.    The vented hollow plastic block as set forth in Claim 9 including an adhesive for

2 securing said sheet of material in place.

1           13. A vented hollow plastic block for use in a wall section, said plastic block

2 comprising in combination;

3           a) a pair of members, each of said members including a continuous side wall and  
4 defining an edge, said edge of one of said members being mated with said edge of the other of  
5 said members to form a junction;

6           b) a vent disposed in at least one of said side walls, said vent having an area  
7 equivalent to a circle having a diameter in the range of about 0.005 inches to about 0.025 inches;

8           c) a sheet of material disposed within said plastic block and supported by said side  
9 wall of at least one member of said pair of members and adapted to define two compartments  
10 within said plastic block; and

11           d) a further vent disposed in said sheet of material for providing fluid  
12 communication between said two compartments.

1           14. The vented hollow plastic block as set forth in Claim 13 wherein said aperture has  
2 an area equivalent to a circle having a diameter in the range of about 0.012 inches to about 0.015  
3 inches.

1           15. The vented hollow plastic block as set forth in Claim 13 wherein said vent and  
2 said further vent are substantially coincident.

1           16.    The vented hollow plastic block as set forth in Claim 15 wherein said vent and  
2    said further vent are juxtaposed with one another.

1           17.    The vented hollow plastic block as set forth in Claim 13 wherein each of said  
2    members is of translucent plastic material.

1           18.    The vented hollow plastic block as set forth in Claim 13 wherein each of said  
2    members is of transparent plastic material.

1           19.    The vented hollow plastic block as set forth in Claim 13 wherein each of said  
2    members is square in planform and wherein said sheet of material is square in planform.

1           20.    A vented hollow translucent/transparent plastic block of use in a wall section, said  
2    plastic block comprising in combination;  
3           a) a pair of members, each of said members including a continuous side wall;  
4           b) a sheet of material extending across the interior of said plastic block;  
5           c) said side wall of one of said members being in sealed engagement with said  
6    side wall of the other of said members; and  
7           d) a vent disposed in one of said side walls and adapted to be in fluid  
8    communication with the interior of said plastic block.

1           21.    The vented hollow translucent/transparent plastic block as set forth in Claim 20

2 wherein said vent having an area equivalent to a circle having a diameter in the range of about  
3 0.005 inches to about 0.25 inches.

1 22. The vented hollow translucent/transparent plastic block as set forth in Claim 21  
2 wherein said vent has an area equivalent to a circle having a diameter in the range of about 0.012  
3 inches to about 0.015 inches.

1 23. The vented hollow translucent/transparent plastic block as set forth in Claim 20  
2 wherein said sheet of material defines two compartments within said plastic block.

1 24. The vented hollow translucent/transparent plastic block as set forth in Claim 23  
2 wherein said sealed engagement is adapted to support said sheet of material.

1 25. The vented hollow translucent/transparent plastic block as set forth in Claim 24  
2 wherein said vent is formed at the junction of said side walls including a further vent disposed in  
3 said sheet of material.

1 26. The vented hollow translucent/transparent plastic block as set forth in Claim 25  
2 wherein said further vent is substantially coincident with said vent.